

Please type a plus sign (+) inside this box → ☐

PTO/SB/05 (1/98)
Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>	Attorney Docket No.	4231US
	First Inventor or Application Identifier	Ronald Vogels
	Title	GENE DELIVERY VECTORS PROVIDED WITH A TISSUE TROPISM FOR SMOOTH MUSCLE CELLS, AND/OR ENDOTHELIAL CELLS
	Express Mail Label No.	EL413914475US

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
---	--

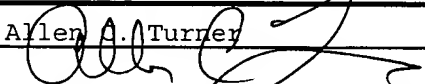
1. <input checked="" type="checkbox"/> * Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)	6. <input type="checkbox"/> Microfiche Computer Program (Appendix)
2. <input checked="" type="checkbox"/> Specification [Total Pages 62] (preferred arrangement set forth below) <ul style="list-style-type: none">- Descriptive title of the invention plus cover sheet- Cross References to Related Applications- Statement Regarding Fed sponsored R & D- Reference to Microfiche Appendix- Background of the Invention- Brief Summary of the Invention- Brief Description of the Drawings (if filed)- Detailed Description- Claim(s)- Abstract of the Disclosure	7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <ul style="list-style-type: none">a. <input type="checkbox"/> Computer Readable Copyb. <input type="checkbox"/> Paper Copy (identical to computer copy)c. <input type="checkbox"/> Statement verifying identity of above copies
3. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 24]	
4. Oath or Declaration [Total Pages] <ul style="list-style-type: none">a. <input type="checkbox"/> Newly executed (original or copy)b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 1.63(d)) (for continuation/divisional with Box 17 completed) [Note Box 5 below]<ul style="list-style-type: none">i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).	
5. <input type="checkbox"/> Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.	

ACCOMPANYING APPLICATION PARTS	
8. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))	
9. <input type="checkbox"/> 37 C.F.R. § 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney	
10. <input type="checkbox"/> English Translation Document (if applicable)	
11. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations	
12. <input checked="" type="checkbox"/> Preliminary Amendment	
13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) <ul style="list-style-type: none">* Small Entity	
14. <input type="checkbox"/> Statement(s) <input type="checkbox"/> Statement filed in prior application, Status still proper and desired (PTO/SB/09-12)	
15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)	
16. <input type="checkbox"/> Other:	
* A new statement is required to be entitled to pay small entity fees, except where one has been filed in a prior application and is being relied upon.	

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input checked="" type="checkbox"/> Continuation-in-part (CIP) of prior application No. 09/348,354 Prior application information: Examiner _____ Group / Art Unit: _____	
---	--

18. CORRESPONDENCE ADDRESS	
<input type="checkbox"/> Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here)	or <input checked="" type="checkbox"/> Correspondence address below

Name	Allen C. Turner		
	Trask, Britt & Rossa		
Address	P.O. Box 2550		
City	Salt Lake City	State	Utah
Zip Code	84110		
Country	U.S.A.	Telephone	(801) 532-1922
Fax	(801) 531-9168		

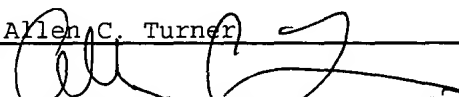
Name (Print/Type)	Allen A. Turner	Registration No. (Attorney/Agent)	33,041
Signature		Date	11/19/99

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 1999		Complete if Known	
<i>Patent fees are subject to annual revision. Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.</i>		Application Number	
		Filing Date	November 19, 1999
		First Named Inventor	Ronald Vogels
		Examiner Name	To be assigned
		Group / Art Unit	To be assigned
TOTAL AMOUNT OF PAYMENT (\$)		857.00	Attorney Docket No. 4231US

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)																																																																																																																																																																																		
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number: 20-1469</p> <p>Deposit Account Name: Trask, Britt & Rossa</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>	<p>3. ADDITIONAL FEES</p> <table border="1"><thead><tr><th>Large Entity Fee Code</th><th>Small Entity Fee Code</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr><tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr><tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr><tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr><tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr><tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr><tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr><tr><td>116</td><td>380</td><td>216</td><td>190</td><td>Extension for reply within second month</td><td></td></tr><tr><td>117</td><td>870</td><td>217</td><td>435</td><td>Extension for reply within third month</td><td></td></tr><tr><td>118</td><td>1,360</td><td>218</td><td>680</td><td>Extension for reply within fourth month</td><td></td></tr><tr><td>128</td><td>1,850</td><td>228</td><td>925</td><td>Extension for reply within fifth month</td><td></td></tr><tr><td>119</td><td>300</td><td>219</td><td>150</td><td>Notice of Appeal</td><td></td></tr><tr><td>120</td><td>300</td><td>220</td><td>150</td><td>Filing a brief in support of an appeal</td><td></td></tr><tr><td>121</td><td>260</td><td>221</td><td>130</td><td>Request for oral hearing</td><td></td></tr><tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr><tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr><tr><td>141</td><td>1,210</td><td>241</td><td>605</td><td>Petition to revive - unintentional</td><td></td></tr><tr><td>142</td><td>1,210</td><td>242</td><td>605</td><td>Utility issue fee (or reissue)</td><td></td></tr><tr><td>143</td><td>430</td><td>243</td><td>215</td><td>Design issue fee</td><td></td></tr><tr><td>144</td><td>580</td><td>244</td><td>290</td><td>Plant issue fee</td><td></td></tr><tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr><tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr><tr><td>126</td><td>240</td><td>126</td><td>240</td><td>Submission of Information Disclosure Stmt</td><td></td></tr><tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr><tr><td>146</td><td>760</td><td>246</td><td>380</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr><tr><td>149</td><td>760</td><td>249</td><td>380</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr><tr><td colspan="5">Other fee (specify) _____</td><td></td></tr><tr><td colspan="5">Other fee (specify) _____</td><td></td></tr><tr><td colspan="5">SUBTOTAL (3) (\$)</td><td></td></tr></tbody></table>	Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing fee or oath		127	50	227	25	Surcharge - late provisional filing fee or cover sheet.		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for reexamination		112	920*	112	920*	Requesting publication of SIR prior to Examiner action		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for reply within first month		116	380	216	190	Extension for reply within second month		117	870	217	435	Extension for reply within third month		118	1,360	218	680	Extension for reply within fourth month		128	1,850	228	925	Extension for reply within fifth month		119	300	219	150	Notice of Appeal		120	300	220	150	Filing a brief in support of an appeal		121	260	221	130	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive - unavoidable		141	1,210	241	605	Petition to revive - unintentional		142	1,210	242	605	Utility issue fee (or reissue)		143	430	243	215	Design issue fee		144	580	244	290	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Petitions related to provisional applications		126	240	126	240	Submission of Information Disclosure Stmt		581	40	581	40	Recording each patent assignment per property (times number of properties)		146	760	246	380	Filing a submission after final rejection (37 CFR 1.129(a))		149	760	249	380	For each additional invention to be examined (37 CFR 1.129(b))		Other fee (specify) _____						Other fee (specify) _____						SUBTOTAL (3) (\$)					
Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid																																																																																																																																																																																
105	130	205	65	Surcharge - late filing fee or oath																																																																																																																																																																															
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.																																																																																																																																																																															
139	130	139	130	Non-English specification																																																																																																																																																																															
147	2,520	147	2,520	For filing a request for reexamination																																																																																																																																																																															
112	920*	112	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																															
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																															
115	110	215	55	Extension for reply within first month																																																																																																																																																																															
116	380	216	190	Extension for reply within second month																																																																																																																																																																															
117	870	217	435	Extension for reply within third month																																																																																																																																																																															
118	1,360	218	680	Extension for reply within fourth month																																																																																																																																																																															
128	1,850	228	925	Extension for reply within fifth month																																																																																																																																																																															
119	300	219	150	Notice of Appeal																																																																																																																																																																															
120	300	220	150	Filing a brief in support of an appeal																																																																																																																																																																															
121	260	221	130	Request for oral hearing																																																																																																																																																																															
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																															
140	110	240	55	Petition to revive - unavoidable																																																																																																																																																																															
141	1,210	241	605	Petition to revive - unintentional																																																																																																																																																																															
142	1,210	242	605	Utility issue fee (or reissue)																																																																																																																																																																															
143	430	243	215	Design issue fee																																																																																																																																																																															
144	580	244	290	Plant issue fee																																																																																																																																																																															
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																															
123	50	123	50	Petitions related to provisional applications																																																																																																																																																																															
126	240	126	240	Submission of Information Disclosure Stmt																																																																																																																																																																															
581	40	581	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																															
146	760	246	380	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																															
149	760	249	380	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																															
Other fee (specify) _____																																																																																																																																																																																			
Other fee (specify) _____																																																																																																																																																																																			
SUBTOTAL (3) (\$)																																																																																																																																																																																			
<p>1. BASIC FILING FEE</p> <table border="1"><thead><tr><th>Large Entity Fee Code</th><th>Small Entity Fee Code</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>101</td><td>760</td><td>201</td><td>380</td><td>Utility filing fee</td><td>380</td></tr><tr><td>106</td><td>310</td><td>206</td><td>155</td><td>Design filing fee</td><td>0</td></tr><tr><td>107</td><td>480</td><td>207</td><td>240</td><td>Plant filing fee</td><td>0</td></tr><tr><td>108</td><td>760</td><td>208</td><td>380</td><td>Reissue filing fee</td><td>0</td></tr><tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td>0</td></tr><tr><td colspan="5">SUBTOTAL (1) (\$)</td><td>380.00</td></tr></tbody></table> <p>2. EXTRA CLAIM FEES</p> <table border="1"><thead><tr><th>Total Claims</th><th>Extra Claims</th><th>Fee from below</th><th>Fee Paid</th></tr></thead><tbody><tr><td>34</td><td>-20** = 14</td><td>9</td><td>126</td></tr><tr><td>Independent Claims</td><td>12</td><td>-3** = 9</td><td>351</td></tr><tr><td>Multiple Dependent</td><td></td><td>0</td><td>0</td></tr></tbody></table> <p>**or number previously paid, if greater; For Reissues, see below</p> <table border="1"><thead><tr><th>Large Entity Fee Code</th><th>Small Entity Fee Code</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr><tr><td>102</td><td>78</td><td>202</td><td>39</td><td>Independent claims in excess of 3</td><td></td></tr><tr><td>104</td><td>260</td><td>204</td><td>130</td><td>Multiple dependent claim, if not paid</td><td></td></tr><tr><td>109</td><td>78</td><td>209</td><td>39</td><td>** Reissue independent claims over original patent</td><td></td></tr><tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr><tr><td colspan="5">SUBTOTAL (2) (\$)</td><td>477.00</td></tr></tbody></table>	Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	101	760	201	380	Utility filing fee	380	106	310	206	155	Design filing fee	0	107	480	207	240	Plant filing fee	0	108	760	208	380	Reissue filing fee	0	114	150	214	75	Provisional filing fee	0	SUBTOTAL (1) (\$)					380.00	Total Claims	Extra Claims	Fee from below	Fee Paid	34	-20** = 14	9	126	Independent Claims	12	-3** = 9	351	Multiple Dependent		0	0	Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	103	18	203	9	Claims in excess of 20		102	78	202	39	Independent claims in excess of 3		104	260	204	130	Multiple dependent claim, if not paid		109	78	209	39	** Reissue independent claims over original patent		110	18	210	9	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2) (\$)					477.00																																																																																			
Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid																																																																																																																																																																																
101	760	201	380	Utility filing fee	380																																																																																																																																																																														
106	310	206	155	Design filing fee	0																																																																																																																																																																														
107	480	207	240	Plant filing fee	0																																																																																																																																																																														
108	760	208	380	Reissue filing fee	0																																																																																																																																																																														
114	150	214	75	Provisional filing fee	0																																																																																																																																																																														
SUBTOTAL (1) (\$)					380.00																																																																																																																																																																														
Total Claims	Extra Claims	Fee from below	Fee Paid																																																																																																																																																																																
34	-20** = 14	9	126																																																																																																																																																																																
Independent Claims	12	-3** = 9	351																																																																																																																																																																																
Multiple Dependent		0	0																																																																																																																																																																																
Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid																																																																																																																																																																																
103	18	203	9	Claims in excess of 20																																																																																																																																																																															
102	78	202	39	Independent claims in excess of 3																																																																																																																																																																															
104	260	204	130	Multiple dependent claim, if not paid																																																																																																																																																																															
109	78	209	39	** Reissue independent claims over original patent																																																																																																																																																																															
110	18	210	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																															
SUBTOTAL (2) (\$)					477.00																																																																																																																																																																														

SUBMITTED BY		Complete (if applicable)	
Typed or Printed Name	Allen C. Turner	Reg. Number	33,041
Signature		Date	11/19/99
		Deposit Account User ID	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.